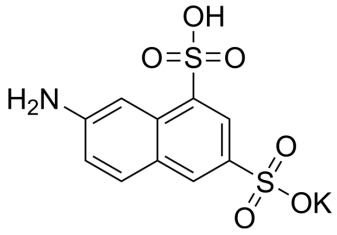
2-Naphthylamine-6,8-disulfonic acid potassium

Cat. No.:	HY-W345148
CAS No.:	842-15-9
Molecular Formula:	$C_{10}H_8KNO_6S_2$
Molecular Weight:	341.4
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-Naphthylamine-6,8-disulfonic acid potassium is chemical that can be used for preparing dyestuff, medicine, agricultural chemicals etc[1].
In Vitro	2-Naphthylamine-6,8-disulfonic acid potassium (compound 20) can inhibit human immunodeficiency virus HIV-1 and HIV-2 by 11% and 13.6% at a concentration of 1369 μM, respectively[1]. 2-Naphthylamine-6,8-disulfonic acid potassium (ANDS) can directly analyze polyglycolic pyrophosphate-linked oligosaccharides in cell cultures and tissues[3]. Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).Labeling oligosaccharides[3]: 1. Prepared 0.15 M ANDS with 15% (v/v) acetic acid. 2. Prepare 1M solution of sodium cyanoborohydride in dimethyl sulfoxide (DMSO). 3. Add 5 μL ANDS reagent (1 μL if sample is below 200 pmol) to the sample. 4. Add 5 μL sodium cyanoborohydride solution (1 μL if sample is below 200 pmol) to the sample. 5. After mixing, the reaction was briefly centrifuged and allowed to dry for 18 hours at 37 °C. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. G T Tan, et al. Potential anti-AIDS naphthalenesulfonic acid derivatives. Synthesis and inhibition of HIV-1 induced cytopathogenesis and HIV-1 and HIV-2 reverse transcriptase activities. J Med Chem. 1992 Dec 25;35(26):4846-53.

[2]. K B Lee, et al. A new method for sequencing linear oligosaccharides on gels using charged, fluorescent conjugates. Carbohydr Res. 1991 Jul 18;214(1):155-68.

[3]. Ningguo Gao, et al. Fluorophore-assisted carbohydrate electrophoresis: a sensitive and accurate method for the direct analysis of dolichol pyrophosphate-linked oligosaccharides in cell cultures and tissues. Methods. 2005 Apr;35(4):323-7.

[4]. Preparation method of 2-naphthylamine 6,8 disulfonic acid. CN102295585A.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA